CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 85-85
NPDES NO. CA0007013

REISSUING WASTE DISCHARGE REQUIREMENTS FOR:

LESLIE SALT CO.
NEWARK
ALAMEDA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. The Leslie Salt Co., (hereinafter discharger) by application dated 1 June 1984 has applied for reissuance and amendment of waste discharge requirements under the National Pollutant Discharge Elimination System, NPDES Permit No. CA0007013.

2. The discharger produces salt (sodium chloride) for a variety of industrial and domestic uses. Baywater is concentrated by the solar evaporation method in a series of ponds. The final refinement step produces a relatively dilute condensate. Most of the condensate is reused but it is necessary to discharge approximately 10,000 gallons per day to Mowry Slough via an open ditch at a point adjacent to the refinery located at 7220 Central Ave. Newark (Waste 001).

3. Bittern is a highly concentrated brine solution. Bittern is produced by and a resdidual of the solar evaporation process (Waste 002).

4. This discharge is currently governed by Waste Discharge Requirements, NPDES Permit, Board Order No. 79-91 which allows discharge to Mowry Slough, a tributary of South San Francisco Bay.

5. The Regional Board adopted a revised Water Quality Control Plan for San Francisco Bay Region (Basin Plan) on July 21, 1982. The Basin Plan contains water quality objectives for Mowry Slough, South San Francisco Bay and contiguous waters.

6. The beneficial uses of Mowry Slough and South San Francisco Bay and contiguous water bodies are:

    - o Water contact recreation
    - o Non-contact water recreation
    - o Wildlife Habitat
    - o Preservation of Rare and Endangered Species
    - o Estuarine Habitat
    - o Fish migration and spawning
    - o Industrial Service and Supply
    - o Shellfish Harvesting
    - o Navigation
    - o Commercial and Sport Fishing

7. Effluent limitations and toxic effluent standards established pursuant to

Section 301, 304, and 307 of the Clean Water Act and amendments thereto are applicable to the discharge.

8. The effluent limitations of the Order are in conformance with the effluent limitation guidelines (40 CFR 415.160 [1983]) promulgated by the U.S. Environmental Protection Agency.

9. This Order serves as an NPDES Permit, reissuance of which is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (CEQA) pursuant to Section 13389 of the California Water Code.

10. The discharger and interested agencies and persons have been notified of the Board's intent to reissue requirements for the existing and proposed discharges and have been provided with the opportunity for a public hearing and the opportunity to submit their written views and recommendations.

11. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the discharger in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder and the provisions of the Clean Water Act as amended and regulations and guidelines adopted thereunder shall comply with the following:

A. Discharge Prohibitions:

1. The discharge of Waste 002 to waters of the State is prohibited.

2. There shall be no bypass or overflow of untreated wastewater to waters of the State.

B. Effluent Limitations:

1. The discharge of Waste 001 containing constituents in excess of the following limits is prohibited:

	Constituent	Units	Monthly Average	Daily Maximum
a.	Temperature	deg. F	-	80
b.	Suspended Solids	mg/l	10	20

Instantaneous maximum limitations shall be applied to the values of the measurements obtained for any single grab sample.

2. The discharge of Waste 001 shall not have a pH of less than 6.5 nor greater than 8.5.

3. The survival of test organisms acceptable to the Executive Officer in 96-hour bioassays of Waste 001 as discharged shall achieve a median of 90% survival for three consecutive samples and a 90 percentile value of not less than 70% survival based on the ten most recent consecutive samples.

C. Receiving Water Limitations:

1. The discharge of waste shall not cause the following conditions to exist in waters of the State at any place:

   a. Floating, suspended, or deposited macroscopic particulate matter, or foam;

   b. Significant increase in apparent color beyond natural background levels in San Francisco Bay/Mowry Slough;

   c. Aquatic growths in quantities sufficient to create a nuisance condition as defined in the California Water Code;

   d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;

   e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.

2. The discharge of waste shall not cause the following limits to be exceeded in water of the State in any place within one foot of the water surface:

a.	Dissolved Oxygen	5.0 mg/L minimum Median of any three consecutive months shall not be less than 80% saturation. When natural factors cause lesser concentrations than those above, then this discharge shall not cause further reduction of the concentration of dissolved oxygen.
b.	Dissolved Sulphide	0.1 mg/L maximum
c.	pH	Variation from ambient pH by more than 0.5 pH units.
d.	Un-ionized Ammonia	0.025 mg N/L as an Annual Median 0.4 mg N/L as Maximum at any time

3. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the board or the State Water Resources Control Board as required by the Clean Water Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Clean Water Act, or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

D. Provisions:

1. The requirements prescribed by this Order supersede the requirements prescribed by Order No. 79-91 adopted August 21, 1979. Order No. 79-91 is hereby rescinded.

2. Where effluent concentration limits in mg/L are contained in this permit, the following mass emission limitations shall also apply:

   Mass Emission Limit in (lbs/day), (Kg/day) = Concentration limit in mg/L x (8.34), (3.79) x Actual Flow in mgd averaged over the time interval to which the limit applies.

3. The discharger shall comply with all sections of this Order immediately upon adoption.

4. The discharger shall review and update by 1 October, 1985 and annually thereafter its contingency plan as required by Board Resolution No. 74-10. The discharge of pollutants in violation of this Order where the discharger has failed to develop and or implement a contingency plan will be basis for considering such discharge a willful and negligent violation of this Order pursuant to Section 13387 of the California Water Code.

5. The discharger shall comply with the attached self-monitoring program as adopted by the Board and as may be amended by the Executive Officer.

6. The discharger shall comply with all items, except A.5, of the attached "Standard Provisions, Reporting Requirements and Definitions" dated April 1977.

7. Applications, reports, or information submitted to the Regional Board shall be signed and certified pursuant to Environmental Protection Agency regulations (40 CFR 122.41K).

8. Pursuant to Environmental Protection Agency regulations (40 CFR 122.42[a]) the discharger must notify the Regional Board as soon as it knows or has reason to believe (a) that they have begun or expect to begin, use or manufacture of a pollutant not reported in the permit application, or (b) a discharge of a toxic pollutant not limited by this permit has occurred, or will occur, in concentrations that exceed the specified limits.

9. This Order expires 16 July, 1990. The discharger must file a report of waste discharge in accordance with Title 23, Chapter 3, Subchapter 9 of the California Administrative Code not later than 180 days in advance of such expiration date as application for issuance of new waste discharge requirements.

10. This Order shall serve as a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Clean Water Act or amendments thereto, and shall become effective 10 days after date of its adoption provided the Regional Administrator, Envirionmental Protection Agency, has no objection. If the Regional Administrator objects to its issuance, the permit shall not become effective until such objection is withdrawn.

I, Roger B. James, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on 17 July, 1985.

ROGER B. JAMES
Executive Officer

Attachments:

Standard Provisions & Reporting Requirements, April 1977
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

REVISED
SELF-MONITORING PROGRAM
FOR

LESLIE SALT CO.

NEWARK

ALAMEDA, ALAMEDA COUNTY

NPDES NO. CA0007013

ORDER NO. 85-85

CONSISTS OF

PART A (Dated 1/78)

AND

PART B

Adopted 18 March, 1975
Revised 17 July, 1985

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. EFFLUENT

Station	Description
E-1	At any point in the refinery waste ditch between the point of dicharge into Mowry Slough and the point at which all wastes included in Waste 001 are present.

B. RECEIVING WATERS

Station	Description
C-1	In Mowry Slough at the site of discharge of Waste 001.

II. SCHEDULE OF SAMPLING, MEASUREMENT, AND ANALYIS

A. The schedule of sampling and analysis shall be that given as Table I.

III. MODIFICATION OF PART "A" DATED JANUARY 1978

Part F.3: Monitoring reports shall be submitted quarterly.

Part F.3.e: All monitoring reports shall be sent only to the Executive Officer, Regional Board. Monitoring reports need not be sent to the EPA.

I, Roger B. James, Executive Officer, hereby certify that the foregoing Self-Monitoring Program Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution 73-16 in order to obtain data and document compliance with waste discharge requirements adopted in Regional Board Order No. 85-85.

2. Is effective immediately upon adoption.

3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

Roger B. James
Executive Officer

Attachments
Table I
Sketch

TABLE I

SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS

Sampling Station	E-1		C										
TYPE OF SAMPLE	C-24	G	Q										
FLOW, MGD	D												
pH, units	W												
Toxicity, % survival	Y												
Standard Observations		M	M										
Total Suspended Solids, mg/l	M												
Temperature, ^{o}F		M											

LEGEND FOR TABLE

TYPES OF SAMPLES

G = grab sample
C-24 = composite sample - 24-hour
C-X = composite sample - X hours (used when discharge does not continue for 24-hour period)
Cont = continuous sampling
DI = depth-intergrated sample
BS = bottom sediment sample
O = observation

TYPES OF STATIONS

I = intake and/or water supply stations
A = treatment facility influent stations
E = waste effluent stations
C = receiving water stations
P = treatment facilities perimeter stations
L = basin and/or pond levee stations
B = bottom sediment stations
G = groundwaters stations

FREQUENCY OF SAMPLING

E = each occurence
H = once each hour
D = once each day
W = once each week
M = once each month
Y = once each year

2/H = twice per hour
2/W = 2 days per week
5/W = 5 days per week
2/M = 2 days per month
2/y = once in March and once in September
Q = quarterly, once in March, June, Sept. and December

2H = every 2 hours
2D = every 2 days
2W = every 2 weeks
3M = every 3 months
Cont = continuous